

Notice of Allowability

Application No.

10/086,080

Examiner

Scott A. Rogers

Applicant(s)

MARTINEZ ET AL.

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-54.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 6/14/2002
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.


SCOTT ROGERS
PRIMARY EXAMINER

Examiner's Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

Referring to claims 1-12 and 19-32, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, calculating, in response to selected ones of the plurality of solid and screened density values produced by the press output device and the proofing device, required percent dot values to be used to print on the press output device a plurality of adjusted density values that approximately correspond to intended density values.

Referring to claims 13-18, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, producing by a press output device, a plurality of solid color control regions corresponding to positions approximately along an axis and a plurality of screened color control regions, wherein density values for at least two of the plurality of solid color control regions are intentionally varied using predetermined values along the axis.

Referring to claims 33-38, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, determining a mathematical relationship between density values of a plurality of solid and screened color regions produced by a press output device, wherein the plurality of solid color regions are intentionally varied using predetermined values, adjusting in response to the mathematical relationship, the density values of the screened color regions and selected density values of a second plurality of solid color regions produced by the press output device in response solid color regions produced by a proofing device, interpolating by adjusting screened color

regions produced by the press output device in response to a product of a difference between percent dot values of two screened color regions and a ratio of a difference between an intended density value and one of the two screened color regions to the difference between the of two screened color regions, and determining a required percent dot value in response to the interpolation, to cause the color density of a region of the image produced by the press output device to approach the intended density values of the corresponding region produced by the proofing device

Referring to claims 39-44, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, automatically calculating density variance data between a statistical representation of at least a subset of a first plurality of solid and screened density values produced by the press output device and corresponding representations of ones of at least a subset of a second plurality of solid and screened density values, the density variance data being used to automatically calculate tonal reproduction adjustment values to produce data on the press output device before performing a print production run.

Referring to claims 45-48, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, automatically calculating adjustment values in density that correspond to percent data values to be printed on the press output device in response to at least one of the group consisting of the press profile data and the proofing device profile data, the adjustment values operable to reduce effects on image data produced by the press output device, the effects resulting from fluctuations in at least one of printing and peripheral printing conditions.

Referring to claims 49-54, the prior art searched and of record neither anticipates nor suggests in the claimed combinations, providing a plurality of segments produced by a press output device having a plurality of ink fountain zone controls, each of the segments having a width and an offset value measurable as a fraction of the width, identifying at least a portion of the segments as encompassed segments, calculating color density variations for at least a portion of the plurality of segment solid density color values, and calculating, in response to the offset values and at least a portion of the color density variations, adjustment data for at least one of the ink fountain zone controls, the adjustment data being used to adjust ink deliverable by the ink fountain zone control.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

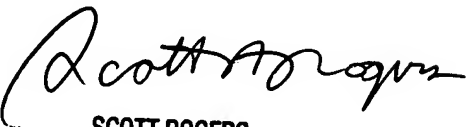
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott A Rogers whose telephone number is 571-272-7467. The examiner can normally be reached Monday through Friday 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Moore can be reached at 571-272-7437.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to TC2600 Customer Service at 571-272-2600. Official correspondence by facsimile should be sent to 571-273-8300. The USPTO contact Center phone numbers are 800-PTO-9199.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


SCOTT ROGERS
PRIMARY EXAMINER

08 July 2006